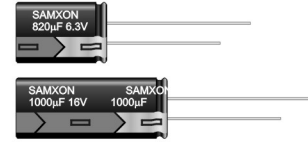


+105°C, High Ripple Current(高紋波), Ultra Low Impedance(極低阻抗品)

FEATURES

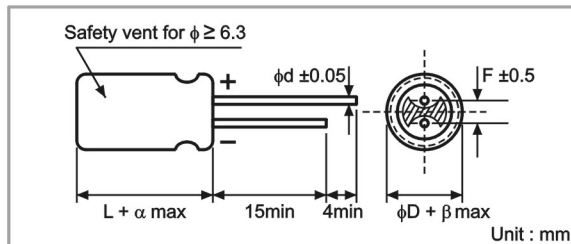
1. Low impedance at 100KHz
2. Enabled high ripple current by a reduction of ESR at high frequency range.
3. Load life: 105°C 2000 hours



SPECIFICATIONS

Item	Performance Characteristics
Operating Temperature Range	-25 to +105°C
Rated Working Voltage Range	6.3 to 16V
Capacitance Tolerance	±20% (120Hz, +20°C)
Leakage Current	I = 0.03CV (after 2 minutes) I = Leakage Current (µA) C = Nominal Capacitance (µF) V = Rated Voltage (V)
Dissipation Factor tan δ (120Hz, +20°C)	Working Voltage (V) 6.3 10 16
	tan δ (max.) 0.22 0.19 0.16
When nominal capacitance is over 1000µF, tan δ shall be added 0.02 to the listed value increase with of every 1000µF	
Load Life	After applying rated voltage with max ripple current for 2000hrs at 105°C, the capacitors shall meet the following requirements
	Capacitance Change Within ±25% of the initial value
	Dissipation Factor Not more than 200% of the specified value
	Leakage Current Not more than the specified value
Shelf Life	None voltage applied for 1000hrs at 105°C, the capacitors shall meet the following requirements
	Capacitance Change Within ±25% of the initial value
	Dissipation Factor Not more than 200% of the specified value
	Leakage Current Not more than the specified value
Low Temperature Stability Impedance Rate	Impedance ratio max. at 120Hz
	Rated Voltage (V) 6.3 10 16
	Z-25°C / Z+20°C 2 2 2
	Others

CASE SIZE TABLE



φD	8(L < 20)	8(L ≥ 20)	10				
F	3.5		5.0				
φd	0.5	0.6					
α			(L < 20) 1.5	(L ≥ 20) 2.0			
β			(D < 20) 0.5	(D ≥ 20) 1.0			

RIPPLE CURRENT MULTIPLIER

Temperature Coefficient				Frequency Coefficient					
Temperature(°C)	≤65	85	105	Cap(µF)	Freq.(Hz)	120	1K	10K	100K
Factor	2.10	1.70	1.00	470 ~ 3300		0.50	0.80	0.90	1.00

+105°C, High Ripple Current(高紋波), Ultra Low Impedance(極低阻抗品)

STANDARD RATINGS

Voltage (Code)		6.3V (0J)			10V (1A)			16V (1C)		
Cap.(μF)	Code	Case Size	Impedance	Ripple Current	Case Size	Impedance	Ripple Current	Case Size	Impedance	Ripple Current
470	477							8 x 12	36	1140
680	687				8 x 12	36	1140	8 x 16	28	1490
								10 x 12.5	26	1540
820	827	8 x 12	36	1140						
1000	108				8 x 16	28	1490	8 x 20	19	1870
					10 x 12.5	26	1540	10 x 16	19	2000
1200	128	8 x 16	28	1490						
		8 x 20	19	1870						
1500	158	8 x 20	19	1870	8 x 20	19	1870	10 x 20	13	2550
		10 x 12.5	26	1540	10 x 16	19	2000			
1800	188	10 x 16	19	2000	10 x 20	13	2550	10 x 25	12	2800
2200	228	10 x 20	13	2550	10 x 25	12	2800			
3300	338	10 x 25	12	2800						

Maximum Allowable Ripple Current (mA rms) at 105°C 100KHz

Case Size φD x L(mm)

Maximum Impedance (mΩ) at 20°C 100KHz

GD

Miniature Aluminum Electrolytic Capacitors